

## SEQUENCE LISTING

&lt;110&gt; Agrinomics LLC

&lt;120&gt; Generation of Plants with Improved Drought Tolerance

&lt;130&gt; AG03-005C-PC

&lt;150&gt; US 60/368,650

&lt;151&gt; 2002-03-27

&lt;160&gt; 2

&lt;170&gt; PatentIn version 3.2

&lt;210&gt; 1

&lt;211&gt; 762

&lt;212&gt; DNA

&lt;213&gt; Arabidopsis thaliana

&lt;400&gt; 1

```

atgccgacgt ctgactccgg tgaaccacgg cgaatagcta tgaaaccta cggcgtaaca      60
gttccgattt ctgaccagca agaacagctt ccatgtcctc gttgtgactc atccaacact      120
aagttctgtt actacaacaa ctacaacttc tctcagcctc gtcacttctg caaagcttgt      180
cgtcgttact ggactcacgg tgggtactctc cgtgacgttc ctgtcgggtg tgggtactcgt      240
aaaagcgaga aacgttcccc cacttgctcg aactcttctt cctcctctgt ttctgggtgtc      300
gtctctaact ctaacggtgt tccgttataa acgacgcctg ttctcttccc tcagtcgtca      360
atctctaacg gcgttactca cacagtaact gaaagcgacg gaaaggggaag tgctttatct      420
ctctgtggaa gtttcacctc cactctgttg aaccataacg ctgctgacgac ggctacgcat      480
ggatccgggtt cgggtatttg tatcggaggt tttggaatcg gactcgggtc gggttttgat      540
gacgtcagct ttggactcgg aagagcgatg tggccgtttt caactgttgg tactgcgaca      600
acgacgaatg ttgggagtaa cgggtgtcat cacgctgttc caatgccagc cacgtggcag      660
ttcgagggtt tagagagcaa cgctggtggt ggatttgtct ccggtgagta ctttgcgtgg      720
ccggatcttt ccatcacaac tccgggaaac tcaactcaat ga                          762

```

&lt;210&gt; 2

&lt;211&gt; 253

&lt;212&gt; PRT

&lt;213&gt; Arabidopsis thaliana

&lt;400&gt; 2

```

Met Pro Thr Ser Asp Ser Gly Glu Pro Arg Arg Ile Ala Met Lys Pro
1           5           10           15

```

```

Asn Gly Val Thr Val Pro Ile Ser Asp Gln Gln Glu Gln Leu Pro Cys
          20           25           30

```

Pro Arg Cys Asp Ser Ser Asn Thr Lys Phe Cys Tyr Tyr Asn Asn Tyr  
 35 40 45

Asn Phe Ser Gln Pro Arg His Phe Cys Lys Ala Cys Arg Arg Tyr Trp  
 50 55 60

Thr His Gly Gly Thr Leu Arg Asp Val Pro Val Gly Gly Gly Thr Arg  
 65 70 75 80

Lys Ser Ala Lys Arg Ser Arg Thr Cys Ser Asn Ser Ser Ser Ser Ser  
 85 90 95

Val Ser Gly Val Val Ser Asn Ser Asn Gly Val Pro Leu Gln Thr Thr  
 100 105 110

Pro Val Leu Phe Pro Gln Ser Ser Ile Ser Asn Gly Val Thr His Thr  
 115 120 125

Val Thr Glu Ser Asp Gly Lys Gly Ser Ala Leu Ser Leu Cys Gly Ser  
 130 135 140

Phe Thr Ser Thr Leu Leu Asn His Asn Ala Ala Ala Thr Ala Thr His  
 145 150 155 160

Gly Ser Gly Ser Val Ile Gly Ile Gly Gly Phe Gly Ile Gly Leu Gly  
 165 170 175

Ser Gly Phe Asp Asp Val Ser Phe Gly Leu Gly Arg Ala Met Trp Pro  
 180 185 190

Phe Ser Thr Val Gly Thr Ala Thr Thr Thr Asn Val Gly Ser Asn Gly  
 195 200 205

Gly His His Ala Val Pro Met Pro Ala Thr Trp Gln Phe Glu Gly Leu  
 210 215 220

Glu Ser Asn Ala Gly Gly Gly Phe Val Ser Gly Glu Tyr Phe Ala Trp  
 225 230 235 240

Pro Asp Leu Ser Ile Thr Thr Pro Gly Asn Ser Leu Lys  
 245 250